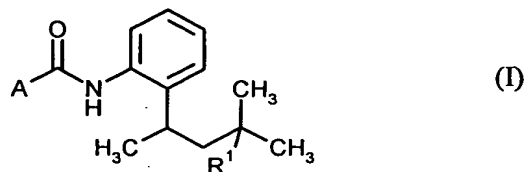


**Patent claims**

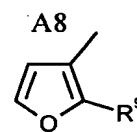
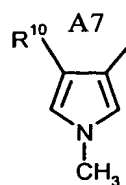
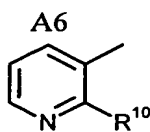
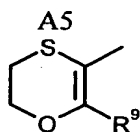
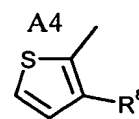
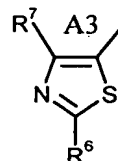
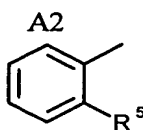
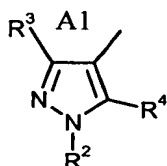
1. Synergistic fungicidal active compound combinations, comprising a carboxamide of the general formula (I) (group 1)



in which

$R^1$  represents hydrogen, halogen,  $C_1$ - $C_3$ -alkyl or  $C_1$ - $C_3$ -haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

A represents one of the radicals A1 to A8 below:



$R^2$  represents  $C_1$ - $C_3$ -alkyl,

$R^3$  represents hydrogen, halogen,  $C_1$ - $C_3$ -alkyl or  $C_1$ - $C_3$ -haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

$R^4$  represents hydrogen, halogen or  $C_1$ - $C_3$ -alkyl,

$R^5$  represents halogen,  $C_1$ - $C_3$ -alkyl or  $C_1$ - $C_3$ -haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

$R^6$  represents hydrogen, halogen,  $C_1$ - $C_3$ -alkyl, amino, mono- or di( $C_1$ - $C_3$ -alkyl)amino,

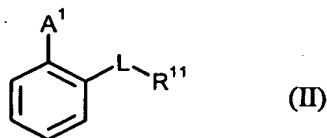
$R^7$  represents hydrogen, halogen,  $C_1$ - $C_3$ -alkyl or  $C_1$ - $C_3$ -haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

$R^8$  represents halogen,  $C_1$ - $C_3$ -alkyl or  $C_1$ - $C_3$ -haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

$R^9$  represents halogen,  $C_1$ - $C_3$ -alkyl or  $C_1$ - $C_3$ -haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

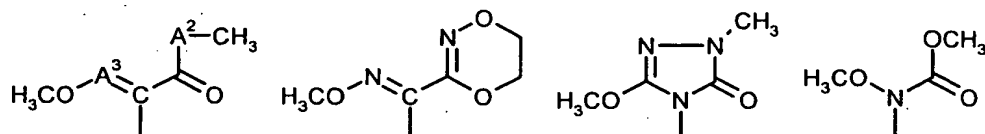
$R^{10}$  represents hydrogen, halogen,  $C_1$ - $C_3$ -alkyl or  $C_1$ - $C_3$ -haloalkyl having 1 to 7 fluorine, chlorine and/or bromine atoms,

and at least one active compound selected from groups (2) to (24) below:

Group (2) Strobilurins of the general formula (II)

in which

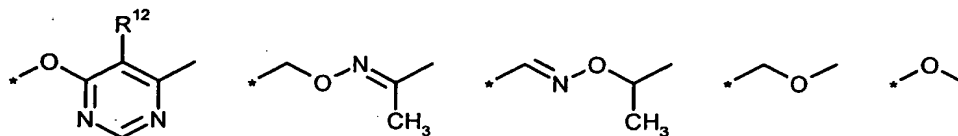
A¹ represents one of the groups



A² represents NH or O,

A³ represents N or CH,

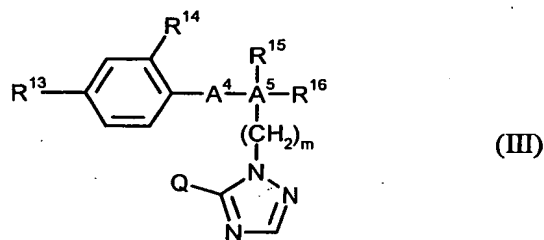
L represents one of the groups



where the bond marked with an asterisk (\*) is attached to the phenyl ring,

R¹¹ represents phenyl, phenoxy or pyridinyl, each of which is optionally mono- or disubstituted by identical or different substituents from the group consisting of chlorine, cyano, methyl and trifluoromethyl, or represents 1-(4-chlorophenyl)-pyrazol-3-yl or represents 1,2-propanedione-bis(O-methyloxime)-1-yl,

R¹² represents hydrogen or fluorine;

Group (3) Triazoles of the general formula (III)

in which

Q represents hydrogen or SH,

m represents 0 or 1,

R¹³ represents hydrogen, fluorine, chlorine, phenyl or 4-chlorophenoxy,

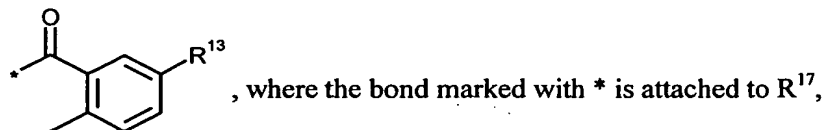
R¹⁴ represents hydrogen or chlorine,

A⁴ represents a direct bond, -CH₂-, -(CH₂)₂- or -O-,

A<sup>4</sup> furthermore represents \*-CH<sub>2</sub>-CHR<sup>17</sup>- or \*-CH=CR<sup>17</sup>-, where the bond marked with \* is attached to the phenyl ring, in which case R<sup>15</sup> and R<sup>17</sup> together represent -CH<sub>2</sub>-CH<sub>2</sub>-CH[CH(CH<sub>3</sub>)<sub>2</sub>]- or -CH<sub>2</sub>-CH<sub>2</sub>-C(CH<sub>3</sub>)<sub>2</sub>-,

A<sup>5</sup> represents C or Si (silicon),

5 A<sup>4</sup> further represents -N(R<sup>17</sup>)- and A<sup>5</sup> furthermore together with R<sup>15</sup> and R<sup>16</sup> represents the group C=N-R<sup>18</sup>, in which case R<sup>17</sup> and R<sup>18</sup> together represent the group



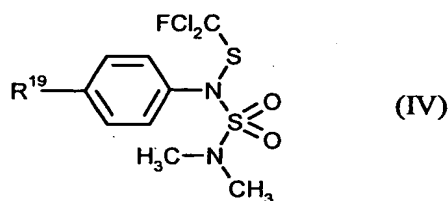
R<sup>15</sup> represents hydrogen, hydroxyl or cyano,

10 R<sup>16</sup> represents 1-cyclopropylethyl, 1-chlorocyclopropyl, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-hydroxyalkyl, C<sub>1</sub>-C<sub>4</sub>-alkylcarbonyl, C<sub>1</sub>-C<sub>2</sub>-haloalkoxy-C<sub>1</sub>-C<sub>2</sub>-alkyl, trimethylsilyl-C<sub>1</sub>-C<sub>2</sub>-alkyl, monofluorophenyl or phenyl,

R<sup>15</sup> and R<sup>16</sup> furthermore together represent -O-CH<sub>2</sub>-CH(R<sup>18</sup>)-O-, -O-CH<sub>2</sub>-CH(R<sup>18</sup>)-CH<sub>2</sub>-, or -O-CH-(2-chlorophenyl)-,

15 R<sup>18</sup> represents hydrogen, C<sub>1</sub>-C<sub>4</sub>-alkyl or bromine;

Group (4) Sulphenamides of the general formula (IV)



in which R<sup>19</sup> represents hydrogen or methyl;

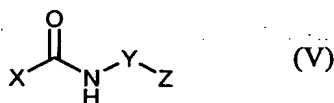
20 Group (5) Valinamides selected from

(5-1) iprovalicarb

(5-2) N<sup>1</sup>-[2-(4-{[3-(4-chlorophenyl)-2-propynyl]oxy}-3-methoxyphenyl)ethyl]-N<sup>2</sup>-(methylsulphonyl)-D-valinamide

(5-3) bentiavalicarb

25 Group (6) Carboxamides of the general formula (V)



in which

X represents 2-chloro-3-pyridinyl, represents 1-methylpyrazol-4-yl which is substituted in the 3-position by methyl or trifluoromethyl and in the 5-position by hydrogen or

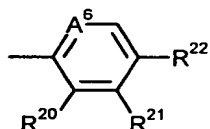
chlorine, represents 4-ethyl-2-ethylamino-1,3-thiazol-5-yl, represents 1-methyl-cyclohexyl, represents 2,2-dichloro-1-ethyl-3-methylcyclopropyl, represents 2-fluoro-2-propyl or represents phenyl which is mono- to trisubstituted by identical or different substituents from the group consisting of chlorine and methyl,

5 X furthermore represents 3,4-dichloroisothiazol-5-yl, 5,6-dihydro-2-methyl-1,4-oxathiin-3-yl, 4-methyl-1,2,3-thiadiazol-5-yl, 4,5-dimethyl-2-trimethylsilylthiophen-3-yl, 1-methylpyrrol-3-yl which is substituted in the 4-position by methyl or trifluoromethyl and in the 5-position by hydrogen or chlorine,

10 Y represents a direct bond, C<sub>1</sub>-C<sub>6</sub>-alkanediyl (alkylene) which is optionally substituted by chlorine, cyano or oxo or represents thiophenediyl,

Y furthermore represents C<sub>2</sub>-C<sub>6</sub>-alkenediyl (alkenylene),

Z represents hydrogen or the group



Z furthermore represents C<sub>1</sub>-C<sub>6</sub>-alkyl,

15 A<sup>6</sup> represents CH or N,

R<sup>20</sup> represents hydrogen, chlorine, phenyl which is optionally mono- or disubstituted by identical or different substituents from the group consisting of chlorine and di(C<sub>1</sub>-C<sub>3</sub>-alkyl)aminocarbonyl,

R<sup>20</sup> furthermore represents cyano or C<sub>1</sub>-C<sub>6</sub>-alkyl,

20 R<sup>21</sup> represents hydrogen or chlorine,

R<sup>22</sup> represents hydrogen, chlorine, hydroxyl, methyl or trifluoromethyl,

R<sup>22</sup> furthermore represents di(C<sub>1</sub>-C<sub>3</sub>-alkyl)aminocarbonyl,

R<sup>20</sup> and R<sup>21</sup> furthermore together represent \*-CH(CH<sub>3</sub>)-CH<sub>2</sub>-C(CH<sub>3</sub>)<sub>2</sub>- or \*-CH(CH<sub>3</sub>)-O-C(CH<sub>3</sub>)<sub>2</sub>- where the bond marked with \* is attached to R<sup>20</sup>;

25

Group (7) Dithiocarbamates selected from

(7-1) mancozeb

(7-2) maneb

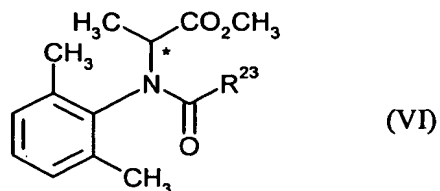
(7-3) metiram

30 (7-4) propineb

(7-5) thiram

(7-6) zineb

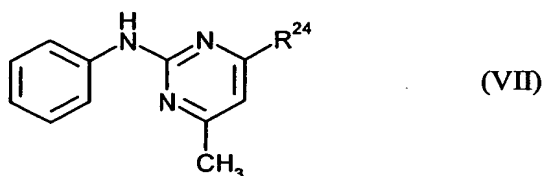
(7-7) ziram

Group (8): Acylalanines of the general formula (VI)

in which

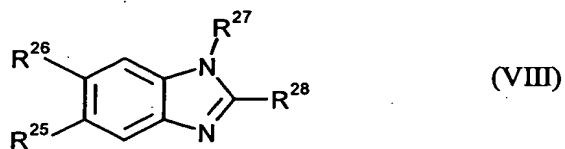
\* marks a carbon atom in the R or the S configuration, preferably in the S configuration,

R<sup>23</sup> represents benzyl, furyl or methoxymethyl;

Group (9): Anilinopyrimidines of the general formula (VII)

in which

R<sup>24</sup> represents methyl, cyclopropyl or 1-propynyl;

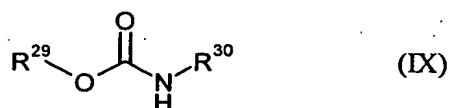
Group (10): Benzimidazoles of the general formula (VIII)

in which

R<sup>25</sup> and R<sup>26</sup> each represent hydrogen or together represent -O-CF<sub>2</sub>-O-,

R<sup>27</sup> represents hydrogen, C<sub>1</sub>-C<sub>4</sub>-alkylaminocarbonyl or represents 3,5-dimethylisoxazol-4-ylsulphonyl,

R<sup>28</sup> represents chlorine, methoxycarbonylamino, chlorophenyl, furyl or thiazolyl;

Group (11): Carbamates of the general formula (IX)

in which

R<sup>29</sup> represents n- or isopropyl,

R<sup>30</sup> represents di(C<sub>1</sub>-C<sub>2</sub>-alkyl)amino-C<sub>2</sub>-C<sub>4</sub>-alkyl or diethoxyphenyl,

salts of these compounds being included;

Group (12): Dicarboximides selected from

(12-1) captafol

(12-2) captan

(12-3) folpet

(12-4) iprodione

(12-5) procymidone

(12-6) vinclozolin

Group (13): Guanidines selected from

(13-1) dodine

(13-2) guazatine

(13-3) iminoctadine triacetate

(13-4) iminoctadine tris(albesilate)

Group (14): Imidazoles selected from

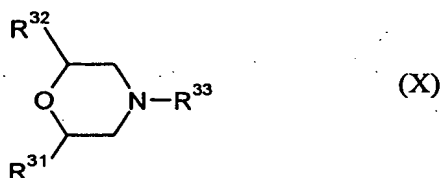
(14-1) cyazofamid

(14-2) prochloraz

(14-3) triazoxide

(14-4) pefurazoate

Group (15): Morpholines of the general formula (X)

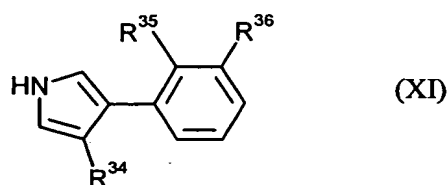


in which

$R^{31}$  and  $R^{32}$  independently of one another represent hydrogen or methyl,

$R^{33}$  represents  $C_1$ - $C_{14}$ -alkyl (preferably  $C_{12}$ - $C_{14}$ -alkyl),  $C_5$ - $C_{12}$ -cycloalkyl (preferably  $C_{10}$ - $C_{12}$ -cycloalkyl), phenyl- $C_1$ - $C_4$ -alkyl, which may be substituted in the phenyl moiety by halogen or  $C_1$ - $C_4$ -alkyl or represents acrylyl which is substituted by chlorophenyl and dimethoxyphenyl;

Group (16): Pyrroles of the general formula (XI)



in which

$R^{34}$  represents chlorine or cyano,

$R^{35}$  represents chlorine or nitro,

$R^{36}$  represents chlorine,

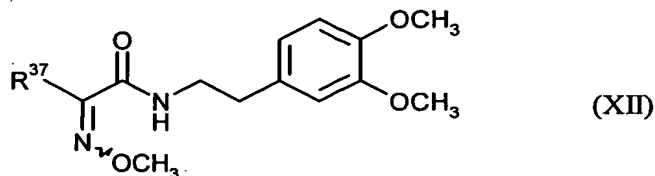
$R^{35}$  and  $R^{36}$  furthermore together represent  $-O-CF_2-O-$ ;

Group (17): Phosphonates selected from

(17-1) fosetyl-Al

(17-2) phosphonic acid;

Group (18): Phenylethanamides of the general formula (XII)



in which

$R^{37}$  represents unsubstituted or fluorine-, chlorine-, bromine-, methyl- or ethyl-substituted phenyl, 2-naphthyl, 1,2,3,4-tetrahydronaphthyl or indanyl;

Group (19): Fungicides selected from

(19-1) acibenzolar-S-methyl

(19-2) chlorothalonil

(19-3) cymoxanil

(19-4) edifenphos

(19-5) famoxadone

(19-6) fluazinam

(19-7) copper oxychloride

(19-8) copper hydroxide

(19-9) oxadixyl

(19-10) spiroxamine

(19-11) dithianon

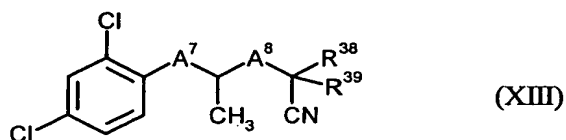
(19-12) metrafenone

- (19-13) fenamidone  
 (19-14) 2,3-dibutyl-6-chlorothieno[2,3-d]pyrimidin-4(3H)-one  
 (19-15) probenazole  
 (19-16) isoprothiolane  
 5 (19-17) kasugamycin  
 (19-18) phthalide  
 (19-19) ferimzone  
 (19-20) tricyclazole  
 (19-21) N-({4-[(cyclopropylamino)carbonyl]phenyl}sulphonyl)-2-methoxybenzamide  
 10 (19-22) 2-(4-chlorophenyl)-N-{2-[3-methoxy-4-(prop-2-yn-1-yloxy)phenyl]ethyl}-2-(prop-2-yn-1-yloxy)acetamide

Group (20): (Thio)urea derivatives selected from

- (20-1) pencycuron  
 15 (20-2) thiophanate-methyl  
 (20-3) thiophanate-ethyl

Group (21): Amides of the general formula (XIII)

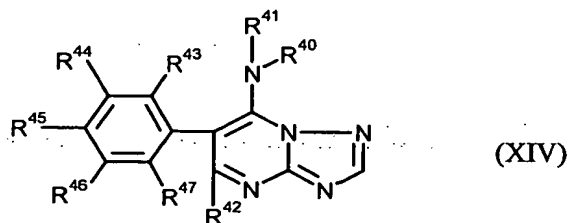


20 in which

- $A^7$  represents a direct bond or -O-,  
 $A^8$  represents -C(=O)NH- or -NHC(=O)-,  
 $R^{38}$  represents hydrogen or  $C_1$ - $C_4$ -alkyl,  
 $R^{39}$  represents  $C_1$ - $C_6$ -alkyl;

25

Group (22): Triazolopyrimidines of the general formula (XIV)



in which

- $R^{40}$  represents  $C_1$ - $C_6$ -alkyl or  $C_2$ - $C_6$ -alkenyl,  
 30  $R^{41}$  represents  $C_1$ - $C_6$ -alkyl,



$R^{40}$  and  $R^{41}$  furthermore together represent  $C_4$ - $C_5$ -alkanediyl (alkylene) which is mono- or disubstituted by  $C_1$ - $C_6$ -alkyl,

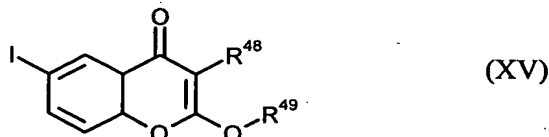
$R^{42}$  represents bromine or chlorine,

$R^{43}$  and  $R^{47}$  independently of one another represent hydrogen, fluorine, chlorine or methyl,

5  $R^{44}$  and  $R^{46}$  independently of one another represent hydrogen or fluorine,

$R^{45}$  represents hydrogen, fluorine or methyl,

Group (23): Iodochromones of the general formula (XV)

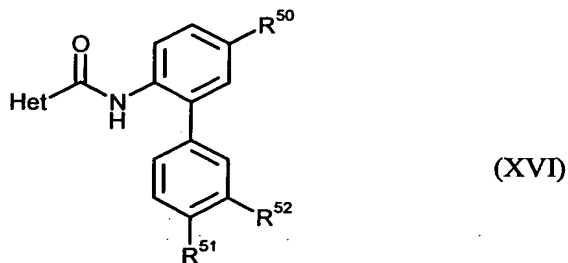


10 in which

$R^{48}$  represents  $C_1$ - $C_6$ -alkyl,

$R^{49}$  represents  $C_1$ - $C_6$ -alkyl,  $C_2$ - $C_6$ -alkenyl or  $C_2$ - $C_6$ -alkynyl;

Group (24): Biphenylcarboxamides of the general formula (XVI)



15

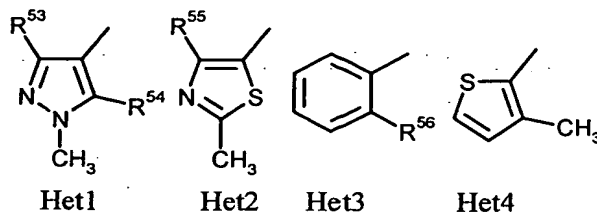
in which

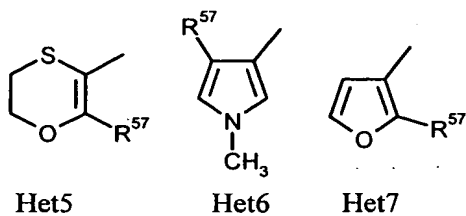
$R^{50}$  represents hydrogen or fluorine,

$R^{51}$  represents fluorine, chlorine, bromine, methyl, trifluoromethyl, trifluoromethoxy,  $-CH=N-OMe$  or  $-C(Me)=N-OMe$ ,

20  $R^{52}$  represents hydrogen, fluorine, chlorine, bromine, methyl or trifluoromethyl,

Het represents one of the radicals Het1 to Het7 below:





$R^{53}$  represents iodine, methyl, difluoromethyl or trifluoromethyl,

$R^{54}$  represents hydrogen, fluorine, chlorine or methyl,

$R^{55}$  represents methyl, difluoromethyl or trifluoromethyl,

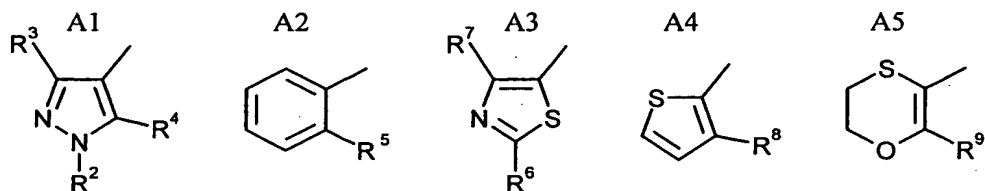
5  $R^{56}$  represents chlorine, bromine, iodine, methyl, difluoromethyl or trifluoromethyl,

$R^{57}$  represents methyl or trifluoromethyl.

2. Active compound combinations according to Claim 1, comprising a carboxamide of the general formula (I) according to Claim 1 (group 1) in which

10  $R^1$  represents hydrogen, fluorine, chlorine, methyl, ethyl, n-, isopropyl, monofluoromethyl, difluoromethyl, trifluoromethyl, monochloromethyl, dichloromethyl or trichloromethyl,

A represents one of the radicals A1 to A5 below:



15  $R^2$  represents methyl, ethyl, n- or isopropyl,

$R^3$  represents iodine, methyl, difluoromethyl or trifluoromethyl,

$R^4$  represents hydrogen, fluorine, chlorine or methyl,

$R^5$  represents chlorine, bromine, iodine, methyl, difluoromethyl or trifluoromethyl,

$R^6$  represents hydrogen, chlorine, methyl, amino or dimethylamino,

20  $R^7$  represents methyl, difluoromethyl or trifluoromethyl,

$R^8$  represents bromine or methyl,

$R^9$  represents methyl or trifluoromethyl.

3. Active compound combinations according to Claim 1, where the active compounds of groups (2) to (24) are selected from the list below:

(2-1) azoxystrobin

(2-2) fluoxastrobin

(2-3) (2*E*)-2-(2-{{[6-(3-chloro-2-methylphenoxy)-5-fluoro-4-pyrimidinyl]oxy}phenyl})-2-(methoxyimino)-*N*-methylethanamide.

- (2-4) trifloxystrobin
- (2-5) (2*E*)-2-(methoxyimino)-*N*-methyl-2-(2-{{{(1*E*)-1-[3-(trifluoromethyl)-phenyl]ethyliden} amino)oxy}methyl}phenyl)ethanamide
- 5 (2-6) (2*E*)-2-(methoxyimino)-*N*-methyl-2-{2-[(*E*)-({1-[3-(trifluoromethyl)phenyl]-ethoxy}imino)methyl]phenyl}ethanamide
- (2-7) orysastrobin
- (2-8) 5-methoxy-2-methyl-4-(2-{{{(1*E*)-1-[3-(trifluoromethyl)phenyl]ethyliden} amino)-oxy}methyl}phenyl)-2,4-dihydro-3*H*-1,2,4-triazol-3-one
- 10 (2-9) kresoxim-methyl
- (2-10) dimoxystrobin
- (2-11) picoxystrobin
- (2-12) pyraclostrobin
- (2-13) metominostrobin
- 15 (3-1) azaconazole
- (3-2) etaconazole
- (3-3) propiconazole
- (3-4) difenoconazole
- (3-5) bromuconazole
- (3-6) cyproconazole
- 20 (3-7) hexaconazole
- (3-8) penconazole
- (3-9) myclobutanil
- (3-10) tetraconazole
- (3-11) flutriafol
- 25 (3-12) epoxiconazole
- (3-13) flusilazole
- (3-14) simeconazole
- (3-15) prothioconazole
- (3-16) fenbuconazole
- 30 (3-17) tebuconazole
- (3-18) ipconazole
- (3-19) metconazole
- (3-20) triticonazole
- (3-21) bitertanol
- 35 (3-22) triadimenol
- (3-23) triadimefon

	(3-24)	fluquinconazole
	(3-25)	quinconazole
	(4-1)	dichlofluanid
	(4-2)	tolyfluanid
5	(5-1)	iprovalicarb
	(5-3)	benthiavalicarb
	(6-1)	2-chloro-N-(1,1,3-trimethylindan-4-yl)nicotinamide
	(6-2)	boscalid
	(6-3)	furametpyr
10	(6-4)	N-(3-p-tolylthiophen-2-yl)-1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxamide
	(6-5)	ethaboxam
	(6-6)	fenhexamid
	(6-7)	carpropamid
	(6-8)	2-chloro-4-(2-fluoro-2-methylpropionylamino)-N,N-dimethylbenzamide
15	(6-9)	picobenzamid
	(6-10)	zoxamide
	(6-11)	3,4-dichloro-N-(2-cyanophenyl)isothiazole-5-carboxamide
	(6-12)	carboxin
	(6-13)	tiadinil
20	(6-14)	penthiopyrad
	(6-15)	silthiofam
	(6-16)	N-[2-(1,3-dimethylbutyl)phenyl]-1-methyl-4-(trifluoromethyl)-1H-pyrrole-3-carboxamide
	(7-1)	mancozeb
25	(7-2)	maneb
	(7-3)	metiram
	(7-4)	propineb
	(7-5)	thiram
	(7-6)	zineb
30	(7-7)	ziram
	(8-1)	benalaxyl
	(8-2)	furalaxyl
	(8-3)	metalaxyl
	(8-4)	metalaxyl-M
35	(8-5)	benalaxyl-M
	(9-1)	cyprodinil

- (9-2) mepanipyrim
- (9-3) pyrimethanil
- (10-1) 6-chloro-5-[(3,5-dimethylisoxazol-4-yl)sulphonyl]-2,2-difluoro-5H-[1,3]dioxolo[4,5-f]benzimidazole
- 5 (10-2) benomyl
- (10-3) carbendazim
- (10-4) chlorfenazole
- (10-5) fuberidazole
- (10-6) thiabendazole
- 10 (11-1) diethofencarb
- (11-2) propamocarb
- (11-3) propamocarb-hydrochloride
- (11-4) propamocarb-fosetyl
- (12-1) captafol
- 15 (12-2) captan
- (12-3) folpet
- (12-4) iprodione
- (12-5) procymidone
- (12-6) vinclozolin
- 20 (13-1) dodine
- (13-2) guazatine
- (13-3) iminoctadine triacetate
- (14-1) cyazofamid
- (14-2) prochloraz
- 25 (14-3) triazoxide
- (14-4) pefurazoate
- (15-1) aldimorph
- (15-2) tridemorph
- (15-3) dodemorph
- 30 (15-4) fenpropimorph
- (15-5) dimethomorph
- (16-1) fenpiclonil
- (16-2) fludioxonil
- (16-3) pyrrolnitrin
- 35 (17-1) fosetyl-Al
- (17-2) phosphonic acid

- (18-1) 2-(2,3-dihydro-1H-inden-5-yl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)-acetamide
- (18-2) N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)-2-(5,6,7,8-tetrahydronaphthalen-2-yl)acetamide
- 5 (18-3) 2-(4-chlorophenyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)acetamide
- (18-4) 2-(4-bromophenyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)acetamide
- (18-5) 2-(4-methylphenyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)acetamide
- (18-6) 2-(4-ethylphenyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(methoxyimino)acetamide
- (19-1) acibenzolar-S-methyl
- 10 (19-2) chlorothalonil
- (19-3) cymoxanil
- (19-4) edifenphos
- (19-5) famoxadone
- (19-6) fluazinam
- 15 (19-7) copper oxychloride
- (19-9) oxadixyl
- (19-10) spiroxamine
- (19-11) dithianon
- (19-12) metrafenone
- 20 (19-13) fenamidone
- (19-14) 2,3-dibutyl-6-chlorothieno[2,3-d]pyrimidin-4(3H)-one
- (19-15) probenazole
- (19-16) isoprothiolane
- (19-17) kasugamycin
- 25 (19-18) phthalide
- (19-19) ferimzone
- (19-20) tricyclazole
- (19-21) N-({4-[(cyclopropylamino)carbonyl]phenyl} sulphonyl)-2-methoxybenzamide
- (19-22) 2-(4-chlorophenyl)-N-{2-[3-methoxy-4-(prop-2-yn-1-yloxy)phenyl]ethyl}-2-(prop-2-yn-1-yloxy)acetamide
- 30 (20-1) pencycuron
- (20-2) thiophanate-methyl
- (20-3) thiophanate-ethyl
- (21-1) fenoxanil
- 35 (21-2) diclocymet

- (22-1) 5-chloro-*N*-[(1*S*)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-*a*]pyrimidine-7-amine
- (22-2) 5-chloro-*N*-[(1*R*)-1,2-dimethylpropyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-*a*]pyrimidine-7-amine
- 5 (22-3) 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methylpiperidin-1-yl)[1,2,4]triazolo[1,5-*a*]pyrimidine
- (22-4) 5-chloro-6-(2,4,6-trifluorophenyl)-7-(4-methylpiperidin-1-yl)[1,2,4]triazolo[1,5-*a*]pyrimidine
- (23-1) 2-butoxy-6-iodo-3-propylbenzopyran-4-one
- 10 (23-2) 2-ethoxy-6-iodo-3-propylbenzopyran-4-one
- (23-3) 6-iodo-2-propoxy-3-propylbenzopyran-4-one
- (23-4) 2-but-2-ynyloxy-6-iodo-3-propylbenzopyran-4-one
- (23-5) 6-iodo-2-(1-methylbutoxy)-3-propylbenzopyran-4-one
- (23-6) 2-but-3-ynyloxy-6-iodobenzopyran-4-one
- 15 (23-7) 3-butyl-6-iodo-2-isopropoxybenzopyran-4-one
- (24-1) *N*-(3',4'-dichloro-5-fluoro-1,1'-biphenyl-2-yl)-3-(difluoromethyl)-1-methyl-1*H*-pyrazole-4-carboxamide
- (24-2) 3-(difluoromethyl)-*N*-{3'-fluoro-4'-[(*E*)-(methoxyimino)methyl]-1,1'-biphenyl-2-yl}-1-methyl-1*H*-pyrazole-4-carboxamide
- 20 (24-3) 3-(trifluoromethyl)-*N*-{3'-fluoro-4'-[(*E*)-(methoxyimino)methyl]-1,1'-biphenyl-2-yl}-1-methyl-1*H*-pyrazole-4-carboxamide
- (24-4) *N*-(3',4'-dichloro-1,1'-biphenyl-2-yl)-5-fluoro-1,3-dimethyl-1*H*-pyrazole-4-carboxamide
- (24-5) *N*-(4'-chloro-3'-fluoro-1,1'-biphenyl-2-yl)-2-methyl-4-(trifluoromethyl)-1,3-thiazole-5-carboxamide
- 25 (24-6) *N*-(4'-chloro-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide
- (24-7) *N*-(4'-bromo-1,1'-biphenyl-2-yl)-4-(difluoromethyl)-2-methyl-1,3-thiazole-5-carboxamide
- 30 (24-8) 4-(difluoromethyl)-2-methyl-*N*-[4'-(trifluoromethyl)-1,1'-biphenyl-2-yl]-1,3-thiazole-5-carboxamide.
4. Active compound combinations according to Claim 1 comprising the carboxamide (1-8) 5-fluoro-1,3-dimethyl-*N*-[2-(1,3,3-trimethylbutyl)phenyl]-1*H*-pyrazole-4-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (24) according to Claim 1.
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5. Active compound combinations according to Claim 1 comprising the carboxamide (1-8) 5-fluoro-1,3-dimethyl-*N*-[2-(1,3,3-trimethylbutyl)phenyl]-1*H*-pyrazole-4-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (24) according to Claim 3.
6. Active compound combinations according to Claim 1 comprising the carboxamide (1-2) *N*-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1*H*-pyrazole-4-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (24) according to Claim 1.
7. Active compound combinations according to Claim 1 comprising the carboxamide (1-2) *N*-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1*H*-pyrazole-4-carboxamide (group 1) and at least one active compound selected from the following groups (2) to (24) according to Claim 3.
8. Active compound combinations according to Claim 1 comprising the carboxamide (1-15) *N*-[2-(1,3-dimethylbutyl)phenyl]-2-(trifluoromethyl)benzamide (group 1) and at least one active compound selected from the following groups (2) to (24) according to Claim 1.
9. Active compound combinations according to Claim 1 comprising the carboxamide (1-15) *N*-[2-(1,3-dimethylbutyl)phenyl]-2-(trifluoromethyl)benzamide (group 1) and at least one active compound selected from the following groups (2) to (24) according to Claim 3.
10. Active compound combinations according to Claim 1 comprising the carboxamide (1-13) *N*-[2-(1,3-dimethylbutyl)phenyl]-2-iodobenzamide (group 1) and at least one active compound selected from the following groups (2) to (24) according to Claim 1.
11. Active compound combinations according to Claim 1 comprising the carboxamide (1-13) *N*-[2-(1,3-dimethylbutyl)phenyl]-2-iodobenzamide (group 1) and at least one active compound selected from the following groups (2) to (24) according to Claim 3.
12. Use of active compound combinations according to Claim 1 for controlling unwanted phytopathogenic fungi.
13. Use of active compound combinations according to Claim 1 for treating seed.



14. Use of active compound combinations according to Claim 1 for treating transgenic plants.
- 5 15. Use of active compound combinations according to Claim 1 for treating seed of transgenic plants.
16. Seed treated with an active compound combination according to Claim 1.
- 10 17. Method for controlling unwanted phytopathogenic fungi, characterized in that active compound combinations according to Claim 1 are applied to the unwanted phytopathogenic fungi and/or their habitat and/or seed.
- 15 18. Process for preparing fungicidal compositions, characterized in that active compound combinations according to Claim 1 are mixed with extenders and/or surfactants.